

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 85-90

WASTE DISCHARGE REQUIREMENTS FOR:

CALIFORNIA DEPARTMENT OF PARKS AND RECREATION
SAMUEL P. TAYLOR STATE PARK
MARIN COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter Board) finds that:

1. The California Department of Parks and Recreation (the discharger) submitted a Report of Waste Discharge dated March 29, 1985, and additional information dated May 16, 1985, for the discharge of domestic wastewater from Samuel P. Taylor State Park.
2. The discharger operates wastewater collection, treatment, and disposal facilities at Taylor State Park. The park is located in western Marin County roughly between the unincorporated towns of Lagunitas and Olema. The park has 5 residences for park employees, 65 campsites for overnight visitors, and peak day use in the summer of 1,200 visitors per day.
3. Wastewater facilities consist of a collection system (with two pump stations), a treatment plant at the western park boundary, and a spray disposal field located a short distance from the plant (see Attachment A). The treatment plant produces secondary effluent using a trickling filter unit and has a design capacity of 80,000 gallons per day (GPD). The spray disposal system operates year-round. Both the treatment plant and the spray disposal field are located less than 300 feet upslope from Lagunitas Creek, waters of the State.
4. The existing wastewater facilities receive about 10,000 GPD of wastewater (annual average), with slightly higher summer flows. In 1984, plant effluent had the following characteristics:

BOD (5-day)	6 mg/l
Ammonia as N	1.3 mg/l
Total Coliform	<2 MPN/100 ml

5. The Board adopted a revised Water Quality Control Plan (Basin Plan) for the San Francisco Bay Region on July 21, 1982. The Basin Plan prohibits the discharge of raw sewage or any waste failing to meet waste discharge requirements to any waters of the Basin. The Basin Plan also prohibits the discharge of wastewater to non-tidal waters, such as Lagunitas Creek. The Basin Plan also requires that existing groundwater quality be maintained unless otherwise provided by the State Board (Resolution 68-16).
6. Beneficial uses of Lagunitas Creek and Tomales Bay include:
 - Municipal and domestic supply (creek only)
 - Agricultural supply (creek only)
 - Water-contact and non-contact recreation (both)
 - Commercial and sport fishing (bay only)
 - Freshwater habitat (creek only)
 - Marine habitat (bay only)
 - Wildlife habitat (both)
 - Preservation of rare and endangered species (both)
 - Fish migration and spawning (both)
 - Shellfish harvesting (bay only)
7. The discharger is currently subject to Waste Discharge Requirements contained in Resolution 783, adopted by the Board on September 15, 1966. These requirements do not reflect key Basin Plan provisions.
8. Over at least the past five years, both treated and untreated wastewater from the park has been discharged to Lagunitas Creek, in violation of the Basin Plan and Resolution No. 783. In three documented cases, significant volumes of raw sewage were discharged to the creek due to equipment failure. During wet weather periods, an undefined volume of treated wastewater flows from the spray disposal area to the creek, due to the steep slopes in the disposal area, its proximity to the creek, and reduced percolation rates during wet weather.

9. The discharger proposes to abandon the spray disposal system, replacing it with a conventional leachfield. The 1-acre leachfield site is located about 1000 feet northwest of the treatment plant on flatter ground further uphill. The site is just outside the park boundaries on federal land managed by the Point Reyes National Seashore. The discharger has received funding approval for design and construction of the leachfield, which would be sized to handle a design flow of 40,000 GPD. The discharger has agreed to a schedule for project design, construction, and full compliance, which is incorporated into the requirements that follow.
10. Adoption of revised waste discharge requirements is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 2100 et. seq.) pursuant to Section 13389 of the California Water Code.
11. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with the opportunity for a public hearing and an opportunity to submit their written views and recommendations.
12. The Board, in a properly-noticed public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the California Department of Parks and Recreation, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. Discharge Specifications

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The disposal of waste shall not cause degradation of ground or surface water suitable for domestic water supply or cause an increase in any water quality parameter that would impair beneficial uses of said waters.

3. Effluent from the sewage treatment plant shall meet the following limits:

<u>Parameter</u>	<u>Prior to leach -field operation</u>	<u>After leach field operation</u>
BOD(5-day)-monthly average	30 mg/l	60 mg/l
Total suspended material - monthly average	30 mg/l	--
Settleable matter - monthly average	0.1 ml/l-hr	--
- maximum	0.2 ml/l-hr	0.5 ml/l-hr
Total coliform - 5 sample median	240 MPN/100 ml	--
- single-sample max.	10,000 MPN/100ml	--
Dissolved oxygen - minimum	2 mg/l	--

B. Prohibitions

1. Wastewater shall not be discharged to waters of the State, via either surface flow or surfacing after percolation. Wastewater shall not surface in the leach field.
2. The discharge of waste other than domestic wastes is prohibited.
3. The volume of wastewater discharged to the spray disposal field or the leachfield shall not exceed 80,000 gallons per day (daily maximum), nor 40,000 gallons per day (monthly average).


C. Provisions

1. The discharger shall comply with the following schedule:

- a. Submit design plans for proposed leachfield and associated facilities March 1, 1986
 - b. Complete construction of leachfield and associated facilities September 1, 1986
 - c. Discontinue use of spray disposal field in favor of leachfield September 1, 1986
- 2. Leachfield design should meet conventional engineering standards for subsurface disposal and shall be subject to the approval of the Executive Officer.
 - 3. The discharger shall post signs at the perimeter of the spray disposal field warning of the presence of treated wastewater, pending completion of the leachfield.
 - 4. The discharger may retain the spray disposal facilities for use in emergencies when all or some wastewater cannot be discharged to the leachfield.
 - 5. This Order superceded Resolution 783, which is hereby rescinded.
 - 6. The discharger shall file with the Regional Board a report of waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.
 - 7. The discharger shall permit the Board or its authorized representative in accordance with California Water Code Section 13267(c):
 - a. Entry upon premises in which an effluent source is located or in which any required records are kept;
 - b. Access to copy any records required to be kept under terms and conditions of this Order;
 - c. Inspection of monitoring equipment or records; and
 - d. Sampling of any discharge.

8. The discharger shall comply with the self-monitoring program as adopted by this Board and as may be amended by the Executive Officer.
9. This Board will review this Order periodically and may revise the requirements when necessary.

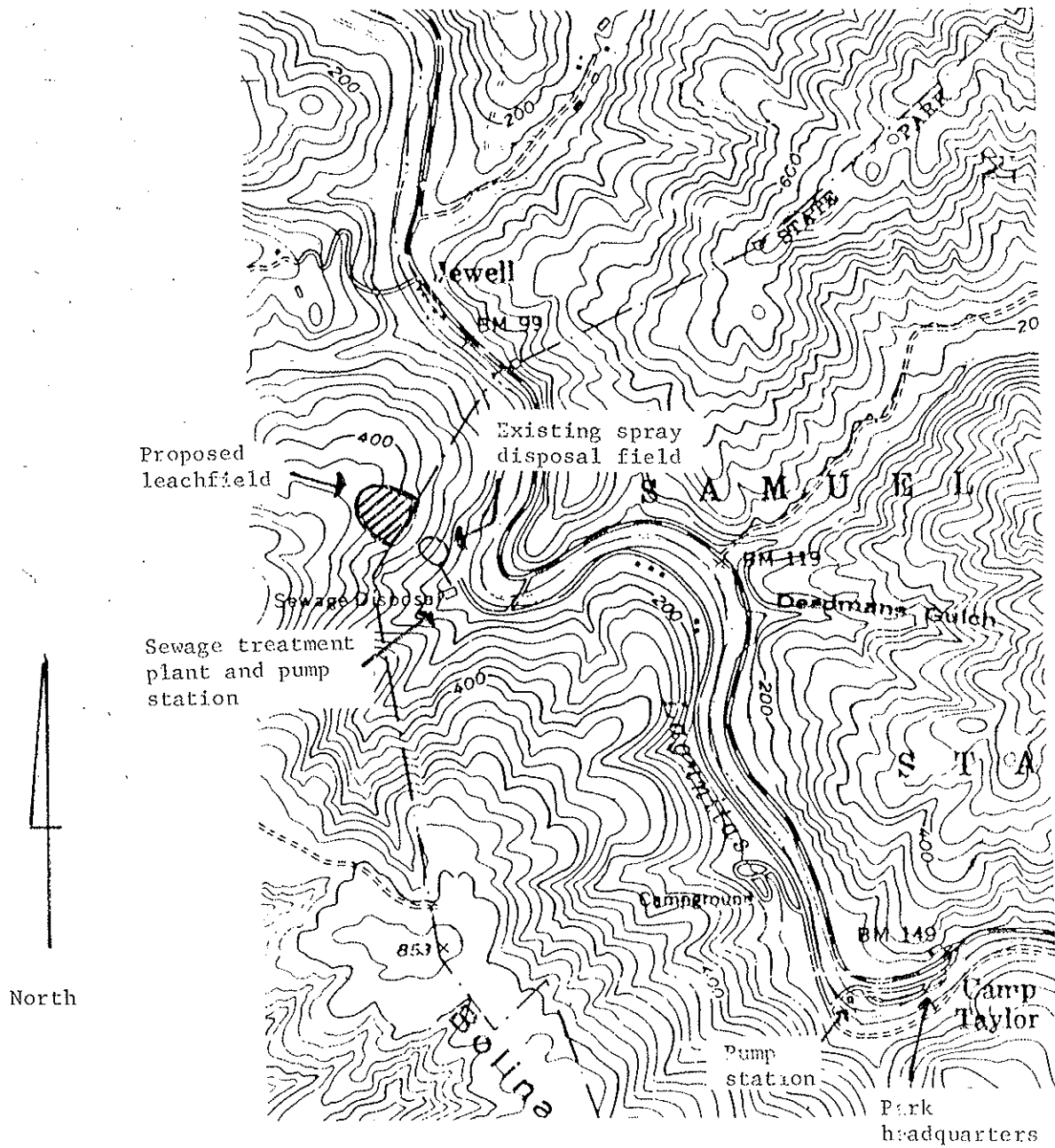
I, Roger B. James, Executive Officer, do hereby certify the foregoing in a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on July 17, 1985.



ROGER B. JAMES
Executive Officer

Attachment:
Self-Monitoring Program
Site Map

ATTACHMENT A: SITE MAP



Samuel P. Taylor State Park

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

California Dept. of Parks and Recreation

Samuel P. Taylor State Park

Marin County

ORDER NO. 85-90

CONSISTS OF

PART A

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

PART A

I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by this Regional Board.
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

II. DESCRIPTION OF SAMPLING AND OBSERVATION STATIONS

A. Effluent

Effluent from the treatment plant shall be sampled prior to disposal for the following parameters:

<u>Parameter</u>	<u>Prior to leach- field operation</u>	<u>After leach- field operation</u>
Flow (1)	Daily	Daily
BOD	Monthly	Monthly
Settleable Matter	Weekly	Twice monthly
Total coliform	Monthly	---

(1) Both daily flow and monthly average (in gallons per day) shall be reported.

B. Observations

1. The discharger shall make weekly observations of the treatment plant and its perimeter, recording plant operation and any odors (strength, source, and area affected).
2. The discharger shall also make weekly observations of the disposal area (spray disposal/or leachfield). At the spray disposal/area, the discharger shall record any wastewater runoff (distance travelled, area affected) and any odor (strength, area affected). At the leachfield, the discharger shall record any evidence of surfacing wastewater and any odor (stength, area affected).
3. If surfacing wastewater is observed at the leachfield, the discharger shall take weekly grab samples for total coliform, fecal coliform, and fecal streptococci. A report of this observation and test results shall be made immediately to the Regional Board.

IV. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Violations of Requirements

In the event the discharger is unable to comply with the conditions of the waste discharge requirement and prohibitions due to:

- (a) maintenance work, power failures, or breakdown of waste treatment equipment, or
- (b) bypassing of untreated or partially treated wastewater, or
- (c) accidents caused by human error or negligence, or
- (d) other causes such as acts of nature,

the discharger shall notify the Regional Board Office by telephone (415) 464-1255 as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the noncompliance and shall indicate what steps were taken to prevent the problem from recurring.

2. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar quarter and submitted by the fifteenth day of the following month. The reports shall be comprised of the following:

a. Letter of Transmittal

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the past month and actions taken or planned for correcting violations, such as plant operation modifications. Monitoring reports and the letter transmitting reports shall be signed by a responsible official. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

b. Data Results

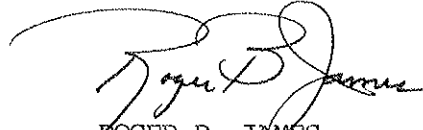
All results observed or analyzed in IIA-B, including dates and times of sampling and/or observations.

c. Map

A map shall accompany the report showing sampling and observation station locations.

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 85-90.
2. Is effective on the date shown below.
3. May be reviewed at any any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.



ROGER B. JAMES
Executive Officer

Effective Date July 31, 1985